

Atoms and the Periodic Table

Lesson Review

Complete the following.

1. A(n) _____ is the tiniest particle of matter.
2. Positively charged particles in an atom are called _____.
3. _____ is the number of protons plus the number of neutrons.
4. A(n) element's _____ is the short way of writing its name.
5. The nucleus of an atom has a _____ charge.
6. The _____ is the center, or core, of an atom.
7. Outside the nucleus of an atom are very small particles called _____.
8. A(n) _____ is matter made of only one kind of atom.
9. Neutral particles in an atom are called _____.
10. _____ form when an atom loses or gains an electron.
11. When two or more atoms join together, a(n) _____ is formed.
12. _____ is the number of protons in the nucleus of an atom.
13. All atoms have a _____ charge.
14. The _____ of an element has the same number of protons, but a different number of neutrons.
15. Elements in the _____ are organized by their properties.

Skill Challenge

Complete the table by marking an **X** in the correct column(s).

	Proton	Neutron	Electron
1. Has an electric charge			
2. Found in the nucleus			
3. Positively charged			
4. Found outside the nucleus			
5. Negatively charged			

Name _____ Date _____ Period _____

Atomic Number

Skill Challenge

Use the periodic table to complete the following chart.

Element Name	Symbol	Number of Protons	Number of Electrons	Atomic Number
			82	
				11
	Hg			
Gold				
		16		
			2	
Manganese				
				103
		6		
	I			
			47	
Magnesium				
	Fe			
		92		
				74
Nitrogen				
	K			
			50	
		30		
				17